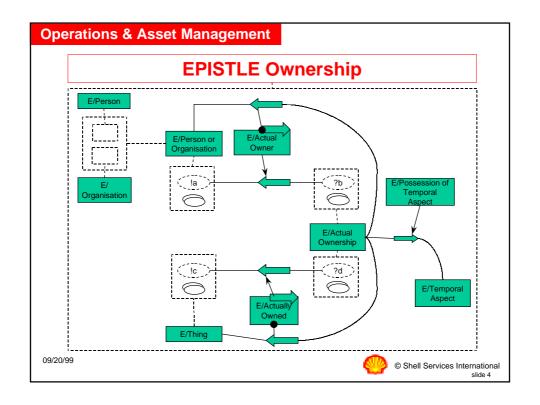
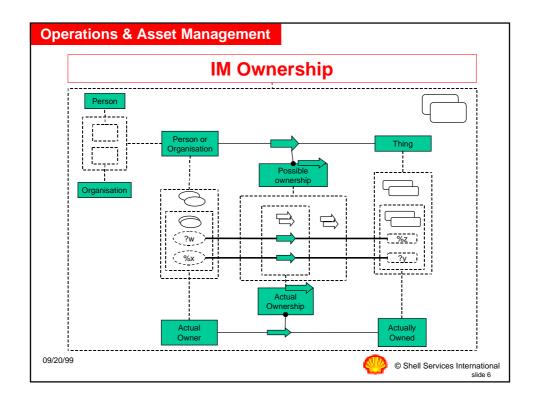
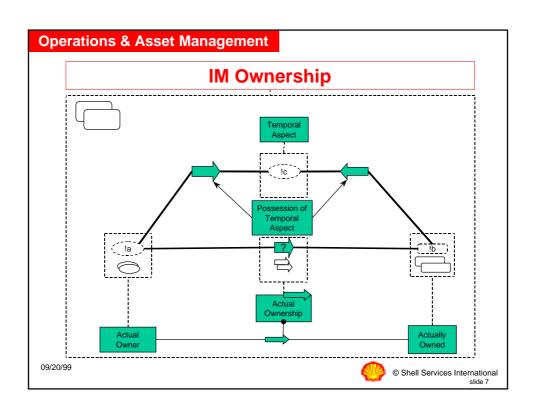


Operations & Asset Management Lexical Form SCHEMA EPISTLE_ownership; TYPE e_person_or_organisation = SELECT (e_organisation, e_person); END_TYPE; ENTITY e_organisation; END_ENTITY; ENTITY e_ownership; $e_owner: e_person_or_organisation;$ e_owned : e_thing; END_ENTITY; ENTITY e_person; END_ENTITY; ENTITY e_thing; END_ENTITY; END_SCHEMA; 09/20/99 © Shell Services International slide 3



Uexical Form [\$/Model: @E/Ownership] [@E/Ownership -- { [@E/Person or Organisation = @E/Person :U: @E/Organisation], [@E/Actual Owner := < @E/Actual Ownership, @E/Person or Organisation>], [@E/Actually Owned := < @E/Actual Ownership, @E/Thing>], [@E/Person or Organisation: !a], [@E/Actual Ownership: ?b], [@E/E/Actual Owner: < ?b, !a>], [@E/Thing: !c], [@E/Actual Ownership: ?d], [@E/Actually Owned: < ?d, !c>] }]



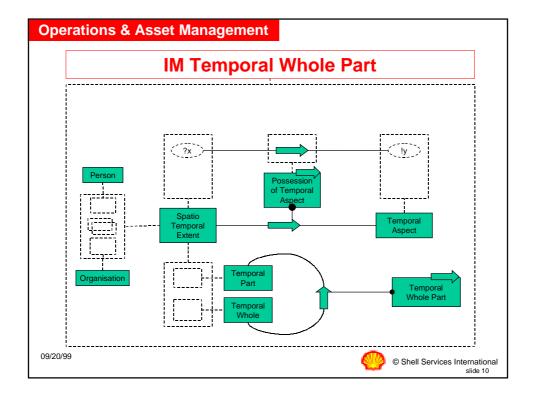


Operations & Asset Management

```
Lexical Form
     [$/Model: @IM/Ownership]
     [@IM/Ownership -- {
     [@IM/Person or Organisation = @IM/Person :U: @IM/Organisation],
     [@IM/Owner -< @IM/Person or Organisation],
     [@IM/Owned -< @IM/Thing],
     [@IM/Actual Ownership] = < @IM/Possible Ownership],
     [@IM/Possible Ownership := < @IM/Person or Organisation, @IM/Thing> ],
     [@IM/Actual Ownership := < @IM/Actual Owner, @IM/Actually Owned>],
     [@IM/Actual Owner:%x], [@IM/Actually Owned: ?y],
     [@IM/Actual Ownership: < %x, ?y>],
     [@IM/Actual Owner:?w], [@IM/Actually Owned: %z],
     [@IM/Actual Ownership: < ?w, %z> ],
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                                                                    © Shell Services International slide 8
```

```
Cexical Form

[@IM/Actual Owner: !a],
[@IM/Actually Owned: !b],
[@IM/Temporal Aspect: !c],
[@IM/Actual Ownership: ?< !a, !b> ],
[@IM/Possession of Temporal Aspect: < !a, !c> &
     @IM/Possession of Temporal Aspect: < !b, !c> ]
}]
```



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Lexical Form

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Mapping from EPISTLE to IM

```
[$/Model: @IM/Mapping of EPISTLE to IM Ownership]
[@IM/Mapping of EPISTLE to IM Ownership -- {
[@E/Person = @IM/Person :I: @IM/Temporal Whole],
[@E/Organisation = = @IM/Organisation :I: @IM/Temporal Whole],
[@E/Person or Organisation = = @IM/Person or Organisation :I: @IM/Temporal Whole],
[@E/Thing = = @IM/Thing],
```

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Mapping from EPISTLE to IM

```
[{[@E/Actual Ownership: ?x],
        [@E/Thing: !z], @E/Actual Owner: !< !x, !y> ],
        [@E/Temporal Aspect: !w], [@E/Person or Organisation: !y], [@E/Actually
        Owned: !< !x, !z> ]}

= {@IM/Thing: !z],
        [(@IM/Person or Organisation :I: @IM/Temporal Whole): !y],
        [@IM/Actual Owner: ^a], [@IM/Actually Owned: ^b],
        [@IM/Temporal Aspect: !w],
        [@IM/Actual Ownership: ?< !a, !b> ],
        [@IM/Possession of Temporal Aspect: < !a, !w> ],
        [@IM/Possession of Temporal Aspect: < !b, !w> ],
        [@IM/Temporal Whole Part: {< !y, !a> , < !z, !b> , ...}]}]
```

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